Amendment to the Claims:

1. (Currently Amended) A system for displaying a user selectable subset of images from an image data set, the images being at least two-dimensional and being associated with a set of at least one attribute with a respective range of values and an additional attribute with a range of values, the system comprising:

an input for receiving the image data set;

a memory for storing the image data set;

an interface for receiving instructions from a user, the interface comprising a manipulation unit;

a processor for, under control of a computer program, for

enabling a user to select a respective subrange of the range of values for at least one of the at least one attribute defined relative to an x- or y-axis and the additional attribute defined relative to a z-axis by scrolling ~~in a direction~~through an image data set substantially parallel to a horizontal x-axis of a display by moving the manipulation unit along an x- direction without use of a ~~slider~~slidebar or moving substantially parallel to a vertical y-axis of a display ~~via~~by moving the manipulation unit along a y-direction without use of a ~~slider~~slidebar;

enabling a user to select a value for the additional attribute by scrolling ~~in a direction~~ through the image data set substantially parallel to ~~an imaginary~~a z-axis ~~positioned on~~by moving the manipulation unit along a diagonal imaginary z-axis positioned diagonally between and in a common plane with the x-~~axis~~direction and the y-~~axis~~direction ~~via the manipulation unit~~without use of a ~~slider~~slidebar;

determining the subset of images, by selecting images which for the at least one attribute of the set have values in the respective subrange and which also have the value for the additional attribute;

generating a view of the subset of images; and

an output for providing pixel values of the view for rendering on a display.

2.   (Previously Presented) The system as claimed in claim 1, wherein the manipulation unit comprises a pointer device and the imaginary z-axis is being realized in a line extending between the x-axis and the y-axis.

3.   (Previously Presented) The system as claimed in claim 1, wherein a mouse pointer is provided for providing visual feedback during selection of the subranges or the value of the additional attribute.

4.   (Currently Amended) The system as claimed in claim 1, wherein an indicator is provided for indicating on the display along which of the three x-, y-, and z- axes scrolling is possible.

5.   (Previously Presented) The system as claimed in claim 1, wherein a configuration dialog is provided for configuring which attributes are represented by each of the three axes.

6.   (Previously Presented) the system as claim in claim 1, wherein the processor is arranged for, under control of the computer program,

changing the subset by periodically increasing or decreasing the value of an attribute of the set or the value of the additional attribute; and

changing the view according to the changed subset.

7.   (Currently Amended) The system as claimed in claim 1, wherein the processor is arranged for, under control of the computer program,

periodically increasing or decreasing a value of a further attribute of each image, said value not being selectable by scrolling substantially parallel to one of the three x- and y- axes; and

changing the view according to the changed value.

8.   (Currently Amended) A method for displaying a user selectable subset of images from an image data set, the images being at least two-dimensional and being associated with a set of at least one attribute with a respective

range of values and an additional attribute with a range of values, the method

5   comprising acts of:

receiving and storing the image data set;

enabling a user to select a subrange of the respective range of values of at least one of the attributes by scrolling ~~substantially parallel to~~ along a horizontal x-axis of a display without use of a ~~slider~~ slidebar by moving a manipulation unit

10   substantially in an x- direction and scrolling along a vertical y-axis of [[a]] the display ~~via a~~ by moving the manipulation unit substantially in a y- direction without use of a ~~slider~~ slidebar;

enabling a user to select a value for the additional attribute by scrolling ~~substantially parallel to an imaginary~~ along a z-axis ~~positioned between the x-axis and~~

15   ~~the -y-axis via the manipulation unit without use of a slider~~ by moving the manipulation unit substantially parallel to an imaginary z-axis , the x- direction, the y-direction, and the imaginary z-axis being in a common plane with the imaginary z-axis disposed between the x-direction and the y-direction;

determining the subset of images, by selecting images which for the at

20   least one attribute of the set have values in the respective subrange and which also have the value for the additional attribute;

generating a view of the subset of images; and

providing pixel values of the view for rendering on a display.

9.   (Currently Amended)   A ~~computer program stored on a~~ computer readable medium carrying a computer program operative to cause a processor to perform the method of claim 8.

10.   (Previously Presented) The system as claimed in claim 1, wherein the image data set is related to medical applications.

11.   (Previously Presented) The system as claimed in claim 1, wherein the processor is arranged for, under control of the computer program, increasing the selected subrange at a faster rate than initially if the scrolling is maintained.

12.   (Previously Presented) The system as claimed in claim 1, wherein the processor is arranged for, under control of the computer program, generating a view of an indication indicating potential directions for scrolling.

13.   (Currently Amended) [[the]] The method as claimed in claim 8, wherein the image data set is related to medical applications.

14.   (Previously Presented) The method as claimed in claim 8, comprising:

increasing the selected subrange at a faster rate than initially if the scrolling is maintained.

15.   (Previously Presented) The method as claimed in claim 8, comprising:

generating a view of an indication indicating potential directions for scrolling.

16.   (Cancelled)

17.   (Currently Amended) The method as claimed in claim 8, wherein scrolling along the x-axis includes moving a mouse left-right along an x-scrolling direction, scrolling along the y-axis includes moving the mouse away-closer along a y-scrolling direction, and scrolling along the z-axis includes moving the mouse diagonally relative to the x- and y- scrolling directions.

18.   (Previously Presented) A method for displaying a user selectable subset of images from an image data set having at least three dimensions, the method comprising:

displaying a selected subset of images in a display plane;

moving an input device along a first direction in a first range of directions to scroll the displayed subset of the images along a first dimension of the at least three dimensions;

moving the input device along a second direction in a second range of directions to scroll the displayed subset of the images along a second dimension of the

10   at least three dimensions, the second range of directions being orthogonal to the first range of directions;

moving the input device along a third direction in a third range of directions to scroll the displayed subset of the images along a third dimension of the at least three dimensions, the third range of directions being disposed diagonally

15   relative to the first and second ranges of directions.

19.   (Currently Amended) The method as claimed in claim 18, wherein the first, second, and third ranges of ~~dimensions~~ directions are coplanar and non-overlapping and the first, second, and third dimensions are orthogonal to each other.

20.   (Previously Presented) The method as claimed in claim 18, wherein the first, second, and third directions are coplanar.